

33. ~~The method of claim 14, wherein said sulfotransferase nucleotide sequence variant encodes a sulfotransferase polypeptide having a histidine at residue 213 of a SULT1A1 polypeptide.~~

34. ~~The method of claim 15, wherein said sulfotransferase nucleotide sequence variant comprises the SULT1A1*2 allele.~~

35. The method of claim 34, wherein said method further comprises detecting mutations within one or both of the BRCA1 and BRCA2 genes.

36. The method of claim 14, wherein said sulfotransferase nucleotide sequence variant is detected by allele-specific hybridization, allele-specific restriction digest, mutation-specific polymerase chain reaction, or single-stranded conformational polymorphism detection.--

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